

SPAWAR NTCSS Program Review **SPAWAR**



for the SCLSIS / Outfitting Conference



LCDR Steve Bowman
23 July 98

***Integrated Information Solutions
For The Fleet***

Purpose

“To review the Information Systems (IS) strategy for improving afloat logistics.”

Topics

- **Program Overview**
- **Leveraging the Current Strategy**
- **Installation Schedule**
- **ESC Working Group Meeting**

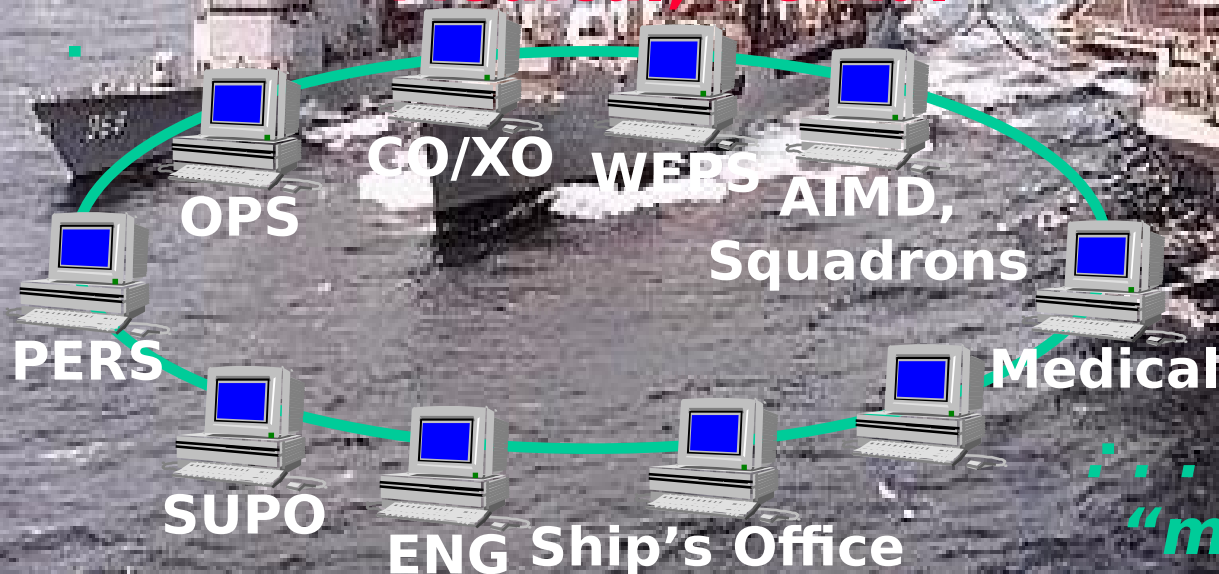


Afloat Logistics Tail Processes

...the business of sustaining the fleet



- **Surface/Subsurface Maintenance**
- **Aviation Maintenance**
- **Supply, Inventory, Financial**
- **Ordnance, Fuel, Transportation**
- **Manpower, Personnel**
- **Medical, Dental**



*... technology is a
“means” - not an
“end”*

...mitigating the risk, accumulating the benefits



For Fleet Users



Legacy

- ✓ Stovepipe Systems
- ✓ Tired Iron
- ✓ NOT Y2K Compliant



Hardware Technology Insertion

Ported

- ✓ Increased Connectivity
- ✓ Economical Hardware Maintenance
- ✓ Single Terminal on a Desk


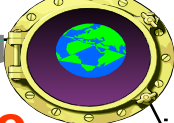
Software Technology Insertion

Optimized

- ✓ Common System Software Services
- ✓ Economical Software Maintenance
- ✓ Y2K Compliant

Continuously Improving Processes

To Be

- 1 Afloat Logical Database
- Seamless Process Integration
- Leverage Investment

SNAP

NTCSS

GCSS-M

Step #1

- ✓ Common TAC Engine
- ✓ Common Operating Env
- ✓ Local/Wide Area Networking
- ✓ Digitized Tech Data

Step #2

- ✓ RDBMS Client/Server Architecture
- ✓ Object-Orientation
- ✓ Graphical User I/F
- ✓ IT21 Compatibility

Step #3

- Data Replication
- Intranet Web Services
- Fault Tolerant Web & Data Base Server



For CIOs



NTCSS Application Software



Legacy/Ported/Emulated

Optimized

**Force
Level**

- SNAP I
 - SUADPS
 - OMMS
 - SNAP Admin
- NALCOMIS IM



- R-Supply
- OMMS-NG
- R-Admin
- NALCOMIS IMA/OM

**Unit
Level**

- SNAP II
- SFM
- MDS
- SNAP Admin



- R-Supply
- OMMS-NG
- R-Admin



Bandwidth = Connectivity



196

0 LAND LINE

FLEETSAT/UFO

DSCS

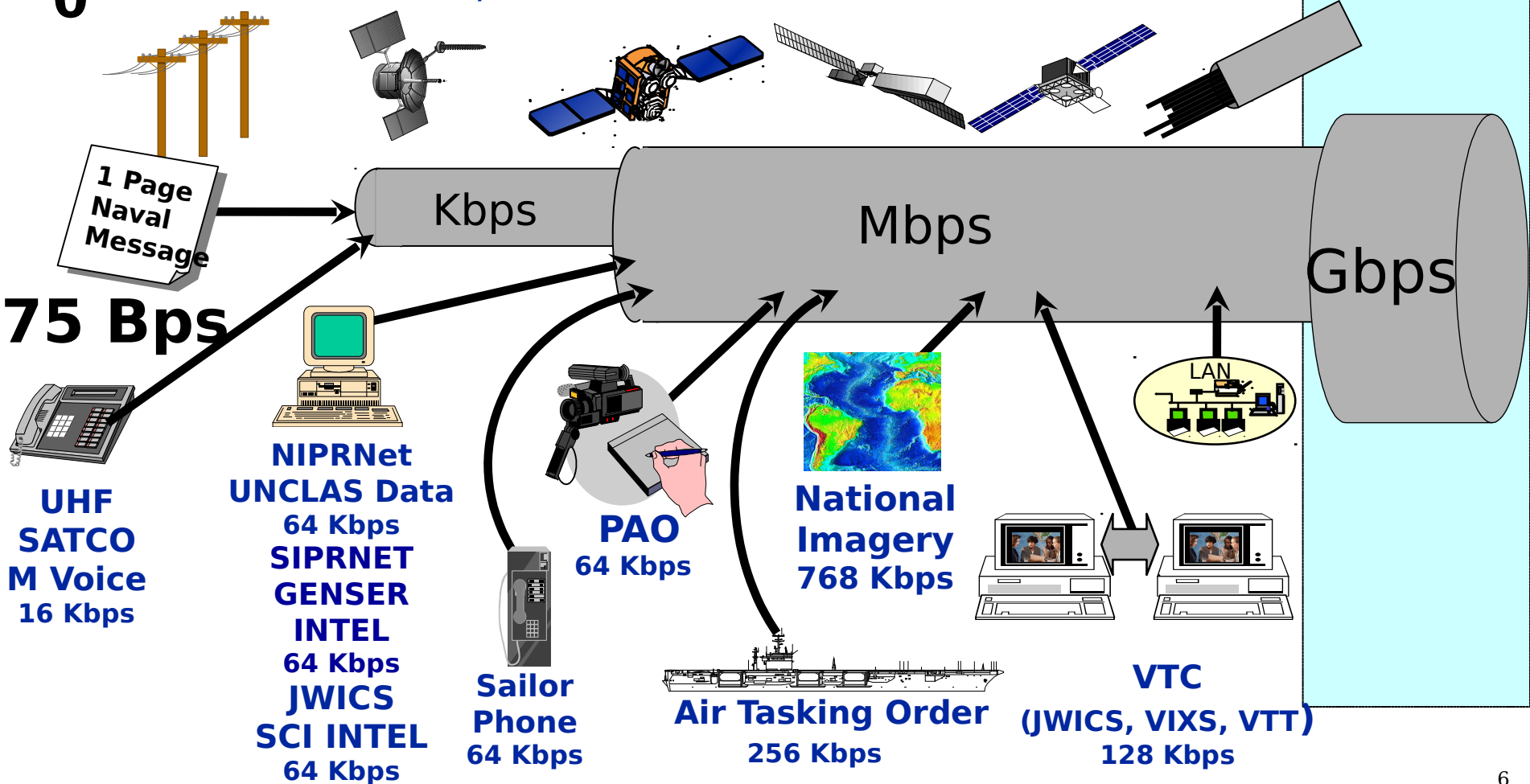
FY00-05

MILSTAR

GBS

FIBER

JV2010



The Mission Need for Improving Logistics

..... rightsizing the tooth-to-tail ratio

.. The teeth need an effective tail!



- PMW 151 (NTCSS Program Office)
 - › Responsible for LAN installs through FY 98
 - » NTCSS POR LAN installs
 - » IT - 21 LAN installs
- SPAWAR 04 and PMW 158
 - › Take over all LAN installs as of FY 99



Constellation/Peleliu BG/ARG Installation Schedule



CORONADO	AGF 11	SNAP III	SNAP III	NTCSS 2	Full IT21
SACRAMENTO	AOE 1	SNAP II	No	SIAB	No
CHOSIN	CG 65	SNAP III	SNAP III	No Upgrade	No Upgrade
LAKE ERIE	CG 70	SNAP III	SNAP III	No Upgrade	No Upgrade
CONSTELLATION	CVN 64	SNAP III	SNAP III	No Upgrade	No Upgrade
KINKAID	DD 965	SNAP III	SNAP III	No Upgrade	No Upgrade
BENFOLD	DDG 65	SNAP III	SNAP III	No Upgrade	No Upgrade
PELELIU	LHA 5	SNAP III	SNAP III	No Upgrade	No Upgrade
OGDEN	LPD 5	SNAP III	SNAP III	No Upgrade	No Upgrade
RUSHMORE	LSD 47	SNAP III	SNAP III	No Upgrade	No Upgrade
OLYMPIA	SSN 717	SNAP III	SNAP III	No Upgrade	No Upgrade
SANTE FE	SSN 763	SNAP III	SNAP III	No Upgrade	No Upgrade



JFK/BATTAN BG/ARG Installation Schedule



Activity	Hull	Current Configuration		FY 99 Installation	
		NTCSS Application	Unclass LAN	NTCSS	LAN
SEATTLE	AOE 3	SNAP III	SNAP III	CFCP	Partial IT21 POR
HUE CITY	CG 66	SNAP II	No	Full Optimized	Full IT21
VICKSBURG	CG 69	SNAP II	No	Full Optimized	Full IT21
JOHN F KENNEDY	CV 67	SNAP III	SNAP III	NTCSS2	Full IT21
ARTHUR W RADFORD	DD 968	SNAP II	No	Full Optimized	Partial IT21 POR
LABOON	DDG 58	SNAP III	SNAP III	CFCP	No upgrade
BARRY	DDG 52	SNAP III	SNAP III	CFCP	No upgrade
MAHAN	DDG 72	SNAP III	SNAP III	CFCP	No upgrade
SAMUEL B ROBERTS	FFG 58	SNAP II	No	Full Optimized	Partial IT21 POR
KAUFFMAN	FFG 59	SIAB	No	CFCP	No upgrade
MOUNT WHITNEY	LCC 20	SNAP III	SNAP III	NTCSS2	Full IT21
BATAAN	LHD 5	SNAP III	SNAP III	NTCSS2	Full IT21
SHREVEPORT	LPD 12	SNAP III	SNAP III	NTCSS2	Full IT21
WHIDBEY ISLAND	LSD 41	SNAP III	SNAP III	NTCSS2	Full IT21
JACKSONVILLE	SSN 699	SNAP III	SNAP III	No upgrade	No upgrade
SPRINGFIELD	SSN 761	SNAP III	SNAP III	No upgrade	No upgrade



Eisenhower BG / WASP ARG

Installation Schedule



Activity	Hull	Current Configuration		FY 99 Installation	
		NTCSS Application	Unclass LAN	NTCSS	LAN
MOUNT BAKER	AE 34	SNAP III	SNAP III	CFCP	No Upgrade
NORMANDY	CG 60	SNAP III	SNAP III	NTCSS2	Full IT21
MONTEREY	CG 61	SNAP III	SNAP III	NTCSS2	Full IT21
EISENHOWER	CVN 69	SNAP III	SNAP III	NTCSS2	Full IT21
SPRUANCE	DD 963	SNAP III	SNAP III	CFCP	No Upgrade
JOHN HANCOCK	DD 981	SNAP II	No	Full Optimized	Partial IT21 POR
CARNEY	DDG 64	SNAP III	SNAP III	CFCP	No Upgrade
THE SULLIVANS	DDG 68	SNAP III	SNAP III	CFCP	No Upgrade
UNDERWOOD	FFG 36	SNAP II	No	Full Optimized	Partial IT21 POR
TAYLOR	FFG 50	SNAP III	SNAP III	CFCP	No Upgrade
WASP	LHD 1	SNAP III	SNAP III	NTCSS2	Full IT21
TRENTON	LPD 14	SNAP II	No	Full Optimized	Full IT21
ASHLAND	LSD 48	SNAP III	SNAP III	NTCSS2	Full IT21
BOISE	SSN 764	SNAP III	SNAP III	No Upgrade	No Upgrade
HARTFORD	SSN 768	SNAP III	SNAP III	No Upgrade	No Upgrade



Stennis BG / Bon Homme Richard ARG Installation Schedule



Activity	Hull	Current Configuration		FY 99 Installation	
		NTCSS Application	Unclass LAN	NTCSS	LAN
BRIDGE	AOE 10	SNAP III/NT	IT21	No Upgrade	No Upgrade
LAKE CHAMPLAIN	CG 57	SNAP II	No	Full Optimized	Full IT21
PORT ROYAL	CG 73	SNAP III	SNAP III	NTCSS2	Full IT21
JOHN STENNIS	CVN 74	SNAP III	SNAP III	NTCSS2	Full IT21
ELLIOTT	DD 967	SNAP II	No	Full Optimized	Partial IT21 POR
CROMMELIN	FFG 37	SNAP II	No	Full Optimized	Partial IT21 POR
BON HOMME RICHARD	LHD 6	NTCSS2	IT21	No Upgrade	No Upgrade
DENVER	LPD 9	SNAP III	SNAP III	NTCSS2	IT21
PEARL HARBOR	LSD 52	NTCSS2	NTCSS/NT	No Upgrade	IT21
SALT LAKE CITY	SSN 716	SNAP III	SNAP III	No Upgrade	No Upgrade
ASHEVILLE	SSN 758	SNAP III	SNAP III	No Upgrade	No Upgrade



Other Afloat Installations Installation Schedule



Activity	Hull	Current Configuration		FY 99 Installation	
		NTCSS Application	Unclass LAN	NTCSS	LAN
VALLEY FORGE	CG 50	SNAP II	No	SIAB	No upgrade
COWPENS	CG 63	SNAP II	No	SIAB	No upgrade
SHILO	CG 67	SNAP II	No	SIAB	No upgrade
ANZIO	CG 68	SNAP II	No	SIAB	No upgrade
STUMP	DD 978	SNAP II	No	SIAB	No upgrade
STARK	FFG 31	SNAP II	No	Full Optimized	Non-IT21 POR
JOHN L. HALL	FFG 32	SNAP II	No	Full Optimized	Non-IT21 POR
DOYLE	FFG 39	SNAP II	No	Full Optimized	Non-IT21 POR
DE WERT	FFG 45	SNAP II	No	Full Optimized	Non-IT21 POR
R. G. BRADLEY	FFG 49	SNAP II	No	Full Optimized	Non-IT21 POR
CARR	FFG 52	SNAP II	No	Full Optimized	Non-IT21 POR
HAWES	FFG 53	SNAP II	No	Full Optimized	Non-IT21 POR
TENNESSEE	SSBN 734	SNAPII/MSNAP	No	Full Optimized	Non-IT21 POR
PENNSYLVANIA	SSBN 735	SNAPII/MSNAP	No	Full Optimized	Non-IT21 POR
NEBRASKA	SSBN 739	SNAPII/MSNAP	No	Full Optimized	Non-IT21 POR
RHODE ISLAND	SSBN 740	SNAPII/MSNAP	No	Full Optimized	Non-IT21 POR



New Construction Installation Schedule



Activity	Hull	Current Configuration		FY 99 Installation	
		NTCSS Application	Unclass LAN	NTCSS	LAN
NIMITZ	CVN 68	SNAP III	SNAP III	Full Optimized	Non-IT21 POR
TRUMAN	CVN 75	NTCSS2	IT21	No upgrade	No upgrade
HIGGINS	DDG 76	None	None	Full Optimized	Full IT21
O'KANE	DDG 77	None	None	Full Optimized	Full IT21
PORTER	DDG 78	None	None	Full Optimized	Full IT21
OSCAR AUSTIN	DDG 79	None	None	Full Optimized	Full IT21



Training / Support Sites Installation Schedule



Activity	Hull	Current Configuration		FY 99 Installation	
		NTCSS Application	Unclass LAN	NTCSS	LAN
TRF Bangor	Train/Supt	All Legacy Sys	All Legacy Sys	Full Optimized	Non-IT21 POR
NTTC Meridian	Train/Supt	All Legacy Sys	All Legacy Sys	Full Optimized	Non-IT21 POR
ILO Sites (4)	Train/Supt	All Legacy Sys	All Legacy Sys	Optimized	No upgrade
Y2K Sites (5)	Train/Supt	All Legacy Sys	All Legacy Sys	Optimized	No upgrade



NTCSS FY00-FY05



Ship Installation Schedule

Hull Type	Number of Installs per Fiscal Year						Type of Install	
	FY00	FY01	FY02	FY03	FY04	FY05	LAN	NTCSS
AE	0	0	0	0	3	0	IT21	Optimized
AO	0	0	0	0	5	0	IT21	Optimized
AOE	0	0	0	0	8	0	IT21	Optimized
ARS	0	0	0	0	0	0	IT21	Optimized
AS	0	0	0	0	2	0	IT21	Optimized
CG	8	4	4	0	0	0	IT21	Optimized
CVN	3	2	1	1	0	0	IT21	Optimized
DD	0	0	0	0	17	0	IT21	Optimized
DDG	12	12	0	7	0	0	IT21	Optimized
FFG	0	0	0	0	22	0	IT21	Optimized
LHA	1	1	0	0	0	0	IT21	Optimized
LHD	1	1	1	1	0	0	IT21	Optimized
LSD	0	3	3	2	0	0	IT21	Optimized
LPD	0	2	0	4	0	0	IT21	Optimized
MCM	0	0	10	0	0	0	IT21	Optimized
MCS	0	0	0	0	0	0	IT21	Optimized
SSN	3	9	17	17	0	0	IT21	Optimized
SSBN	0	2	1	0	11	0	IT21	Optimized
Total	28	36	37	44	72	0	IT21	Optimized



Training/Support/Other Site Installation Schedule



Site	Type of Activity	Year of Installation						Type of Install	
		FY00	FY01	FY02	FY03	FY04	FY05	LAN	NTCSS
Puget Sound	ILO Site	X						IT21	Optimized
New London	ILO Site	X						IT21	Optimized
Sasebo	ILO Site	X						IT21	Optimized
Yokosuka	ILO Site	X						IT21	Optimized
Pearl Harbor	ILO Site	X						IT21	Optimized
Portsmouth	ILO Site	X						IT21	Optimized
Jacksonville (2)	ILO Site	X						IT21	Optimized
Ingleside, TX	ILO Site	X						IT21	Optimized
San Diego (2)	ILO Site	X						IT21	Optimized
CSI San Diego	Tmg/Supt		X					IT21	Optimized
FTSC San Diego	Tmg/Supt			X				IT21	Optimized
FASO DET Miramar	Tmg/Supt			X				IT21	Optimized
Sub School Groton	Tmg/Supt				X			IT21	Optimized
NSCS Athens	Tmg/Supt				X			IT21	Optimized
FASO DET Jacksonville	Tmg/Supt				X			IT21	Optimized
STF Norfolk	Tmg/Supt					X		IT21	Optimized
STF San Diego	Tmg/Supt					X		IT21	Optimized
FASO DET Cherry Point	Tmg/Supt					X		IT21	Optimized
ATG/FTG MIDPAC SysAdmin	Tmg/Supt						X	IT21	Optimized
Focal Point NOB Pier 7	Tmg/Supt						X	IT21	Optimized
FTCLANT Dam Neck	Tmg/Supt						X	IT21	Optimized
TTF Bangor	Tmg/Supt						X	IT21	Optimized
NSTCPAC Functional User	Tmg/Supt						X	IT21	Optimized
SWOSCOL Newport	Tmg/Supt						X	IT21	Optimized
NATTC Pensacola	Tmg/Supt						X	IT21	Optimized
TTF Kings Bay	Tmg/Supt						X	IT21	Optimized



Requirements Management Process



- Current process is broken
 - › Too many baselines
 - › Schedule and cost impacts
 - › Lack of requirement visibility
 - › Requirements creep
 - › Inability to match funding to requirement
 - › Lack of solution development feedback
 - › Lack of consistent configuration management



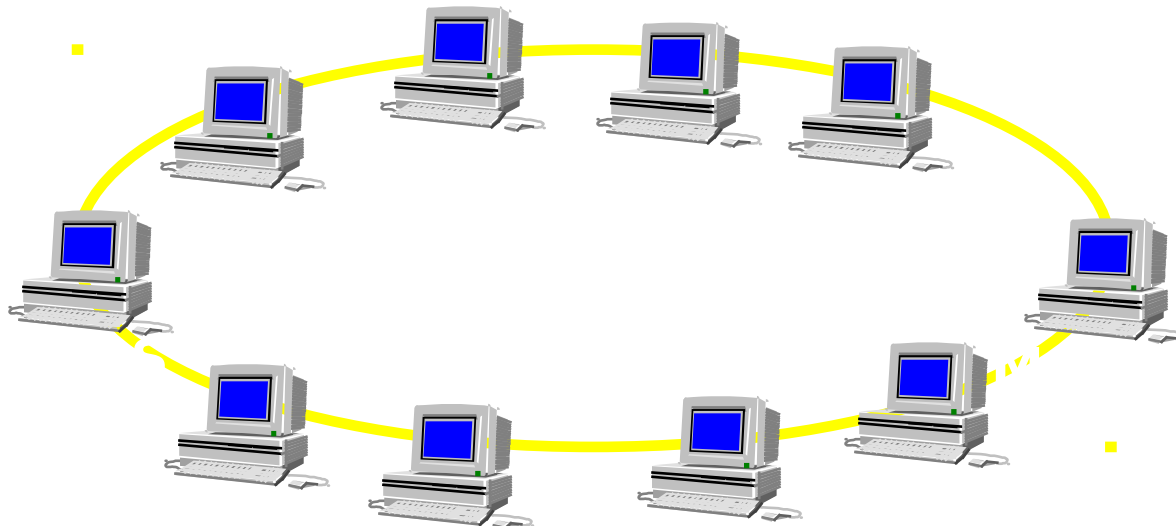
Requirements Management Proposal



- Web based tool will:
 - › Capture new requirements
 - › Prioritize requirements
 - » On-line review and voting
 - › Match funding to requirements
 - › Track progress
 - » Single on-line source of status
- New process provides:
 - › Engineering discipline and efficiency
 - › Synchronization of dollars and requirements
 - › Cradle to grave traceability



. . . the technological “means”
to the logistics “end” . . .





Points of



<i>Code/Position</i>	<i>Name</i>	<i>Phone Number</i>
PMW 151 Program Manager	CAPT Spear Ezzard*	(619) 524-7553
PMW 151A Deputy Program Manager	Ms. Susan Linn	(619) 524-7555
PMW 151-1 Customer Liaison Div. PMW 151-2 (acting) System Acq. and Eng.	Mr. Dan Inman	(619) 524-7569
PMW 151-3 Functional Requirements	CDR Jay Chase	(619) 524-7567
PD 15L PMW 151-4 Logistics Coordinator Development Div	Mr. Mike Taousakis	(619) 524-7566



For Additional Information...



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mw151/**

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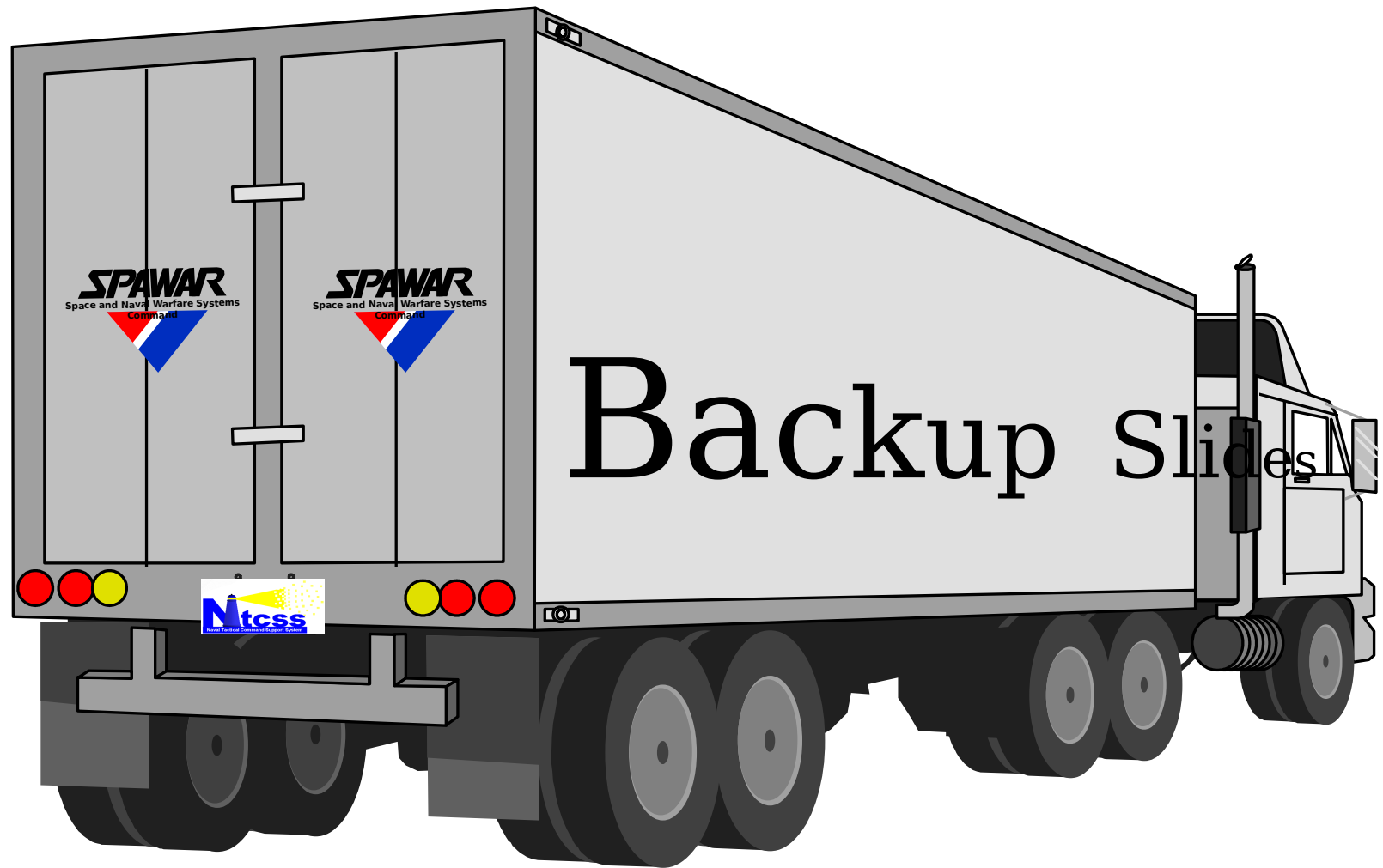


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Requirement t to Product

